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(21) International Application Number: PCT/EP98/05518 (22) International Filing Date: 31 August 1998 (31.08.98) (30) Priority Data: 97870127.4 29 August 1997 (29.08.97) EP (71) Applicant (for all designated States except US): INNOGENET-ICS N.V. [BE/BE]; Industriepark Zwijnaarde 7, P.O. Box 4, B-9052 Ghent (BE). (72) Inventors; and (75) Inventors/Applicants (for US only): MEHEUS, Lydie [BE/BE]; Gontrodeheirweg 120, B-9820 Merelbeke (BE). LÜHRMANN, Reinhard, Georg [DE/DE]; Philipps-Universität Marburg, Institut für Molekularbiologie und Tumorforschung, Emil-Mannkopff-Strasse 2, D-35037 Marburg (DE). UNION, Ann [BE/BE]; Savooien 15, B-9880 Aalter (BE). RAYMACKERS, Joseph [BE/BE]; Zuiderbiesten 10, B-9810 Eke (BE). (74) Agent: DE CLERCQ, Ann; Innogenetics N.V., Industriepark Zwijnaarde 7, P.O. Box 4, B-9052 Ghent (BE).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	
(54) Title: METHYLATED, SmD HOMOLOGOUS PEPTIDES, REACTIVE WITH THE ANTIBODIES FROM SERA OF LIVING BEINGS AFFECTED WITH SYSTEMIC LUPUS ERYTHEMATOSUS			
(57) Abstract			
<p>The present invention relates to a method of producing certain peptides containing methylated arginines that are followed by a glycine residue and that constitute immunogenic determinants of antibodies present in sera from patients with systemic lupus erythematosus, or Epstein-Barr virus and wherein the methylation is a prerequisite for reacting with said antibodies. The invention also relates to the use of said peptides for diagnosis and treatment of systemic lupus erythematosus and related diseases, and diseases in which Epstein-Barr virus has been implicated.</p>			